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(54) **SURGICALLY-FRIENDLY TISSUE PAPERS  
FROM ORGAN-SPECIFIC  
DECELLULARIZED EXTRACELLULAR  
MATRICES**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

Provided herein are inks including decellularized extracel-  
lular matrix (dECM) particles and scaffolds made from the  
inks. Also provided are methods of making the scaffolds and  
applications for the scaffolds. In an embodiment, a porous  
scaffold comprises dECM particles and an elastomer,  
wherein the scaffold is planar having a thickness of about  
100  $\mu\text{m}$  or greater, the scaffold comprises irregularly shaped  
pores having a random orientation and distribution through-  
out the scaffold, and the scaffold is free of crosslinking  
between the molecular components of the scaffold.

**12 Claims, 13 Drawing Sheets**

